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**DWPI Title**

Crank mechanism for transforming reciprocating linear motion into rotary motion has rotating connection rod, idly provided on engine piston pin, and cam, provided on output shaft, having perimetric profile

**Drawing****Original Title**

CRANK SYSTEM FOR TRANSFORMATION OF RECIPROCATING LINER MOTION INTO ROTARY MOTION

**Abstract**

**PROBLEM TO BE SOLVED:** To provide a crank mechanism system that transforms reciprocating motion into rotary motion in reciprocating endothermic engines, via an improved thermodynamic cycle action and improved use of resultant force.

**SOLUTION:** The crank system comprises a wheel or rotating connection rod 2 provided on an engine piston pin 3, and a cam 1 provided on an output shaft 6 and with such a perimetric profile as optimizes the engine cycle strokes. A solution is realized to the rotation of the wheel 2 along the profile of the cam 1.

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**First Claim****Assignee / Applicant**

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Original: POMEZIA SRL

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**IPC**

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